



Atty. Dkt. No. 061887-0114

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

22388 U.S. PTO  
10/731467



Applicant: Chul-Hwan KIM et al.  
Title: METHOD FOR DETECTING FAULT ON TRANSMISSION LINES  
BY USING HARMONICS AND STATE TRANSITION DIAGRAM  
Appl. No.: Unassigned  
Filing Date: December 10, 2003  
Examiner: Unassigned  
Art Unit: Unassigned

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Chul-Hwan KIM  
Jeong-Yong HEO

☒ [ X ] Applicant claims small entity status under 37 CFR 1.27.

Enclosed are:

☒ [ X ] Application Data Sheet (37 CFR 1.76) (3 pages).

☒ [ X ] Specification, Claim(s), and Abstract (35 pages).

☒ [ X ] Formal drawings (12 sheets, Figures 1-17).

☒ [ X ] Declaration and Power of Attorney (4 pages).

☒ [ X ] Assignment of the invention to Sungkyunkwan University (2 pages).

☒ [ X ] Assignment Recordation Cover Sheet.

☒ [ X ] Claim for Convention Priority and Priority Document.

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$770.00 =	\$770.00
Total	11	- 20	= 0 x	\$18.00 =	\$0.00
Claims:					
Independents	1	- 3	= 0 x	\$86.00 =	\$0.00
If any Multiple Dependent Claim(s) present:			+	\$290.00 =	\$0.00
				SUBTOTAL:	\$770.00
<input checked="" type="checkbox"/> [ X ] Small Entity Fees Apply (subtract ½ of above):				=	\$385.00
				TOTAL FILING FEE:	\$385.00
Assignment Recordation Fee:			+	\$40.00 =	\$40.00
TOTAL FEE				=	\$425.00

☒ [ X ] A check in the amount of \$425.00 to cover the filing fee and fee for recordation of Assignment is enclosed.

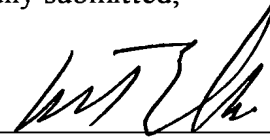
☐ [ ] The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

☒ [ X ] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

By



Date: December 10, 2003

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